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TITLE: DECODING METHOD FOR REAL-TIME VIDEO IMAGE

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ABSTRACT:

PROBLEM TO BE SOLVED: To improve the efficiency and practicality, by performing the evaluation and decoding of all bar code-readable information found in video and displaying such an encoded message while simultaneously displaying a video image.

SOLUTION: An image pickup assembly 10 includes an image sensor 10 and an optical imaging assembly 16 for receiving the image of an object T and focusing it on the substrate of image sensor 14. A microprocessor 22 inside a computer 20 receives, outputs and processes data corresponding to programs stored in either of or both a random access memory(RAM) 24 for read/write and a hard disk 26. Then, video capability is integrated inside the computer while using the real-time video provided from an image fetching device, all the bar code readable information found in the video is evaluated and decoded and while simultaneously displaying the video image, this encoded message can be displayed.

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